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EFS ID:	18452
Application ID:	10065290
Title of Invention:	IMPEDANCE MATCHING CIRCUIT FOR REJECTING AN IMAGE SIGNAL VIA A MICROSTRIP STRUCTURE
First Named Inventor:	Sheng-Fuh Chang
Domestic/Foreign Application:	Domestic Application
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IMPEDANCE MATCHING CIRCUIT FOR REJECTING AN IMAGE SIGNAL VIA A MICROSTRIP STRUCTURE

First Named Inventor: Sheng-Fuh Chang

SUBMITTED BY

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[*IMPEDANCE MATCHING CIRCUIT FOR REJECTING AN IMAGE SIGNAL VIA A MICROSTRIP STRUCTURE*]

Abstract of Disclosure

An impedance matching circuit for providing a lossless target signal transmission and rejecting image signals of heterodyne and super-heterodyne transceiver. The impedance matching circuit includes a grounded metal membrane, a first microstrip line connected with an input circuit, a second microstrip line connected with an output circuit, and a third microstrip line connected with either the first microstrip line or the second microstrip line. The first microstrip line is not connected with the second microstrip line, and the length of the third microstrip line is equal to a quarter wavelength of an image signal. When the target signal and the image signal transmit to the impedance matching circuit, the image signal will bypass to a grounded metal membrane, and the target signal will transmit to the output circuit without signal decay through electromagnetic coupling of the first microstrip line and the second microstrip line.

Attached Files:

declaration	ATCP0002DEC1.TIF
declaration	ATCP0002DEC2.TIF
specification	ATCP0002.xml
bibd-transmittal	ATCP0002apds.xml
patent-assignments	ATCP0002asgn.xml
fee-transmittal	ATCP0002fee.xml

Attached Image File(s):

ATCP0002DEC1.TIF
ATCP0002DEC2.TIF

Comments:

FEE TRANSMITTAL

Electronic Version 1.1.0

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Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

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Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

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Electronic Signature Mark: VAEB-JMXX-8IIL
Date Signed: 20021001

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 9	103	\$ 18	0	\$ 0
Independent Claims: 2	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40